

EUROPEAN PATENT APPLICATION

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EP 0 231 010 A3

A method of solid phase enzyme immunoassay and nucleic acid hybridization assay and dip-stick design and stabilized chromogenic substrate.

Improved solid phase enzyme immunoassay and solid phase nucleic acid hybridization assay wherein a chromogenic material, capable of changing from a first color state to a second color state in correlation to the amount of enzyme bound to the solid phase, binds to the solid phase. The solid phase is thus analyzed for the second color state. Also, an im-

proved dip-stick design wherein the reactive membrane is thin and planar with both sides of the membrane exposed for contact with reagents. Still further, a stabilized chromogenic solution wherein the chromogen contains a benzidine moiety and is stabilized with a complementary redox reagent.



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EUROPEAN SEARCH REPORT

Application number

EP 87 10 1071

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X	WO-A-84 02 193 (E.I. DU PONT DE NEMOURS AND COMPANY) * Page 7, line 27 - page 8, line 12, page 8, lines 30-35; page 10, lines 27-35; page 20, lines 17-25 * --	1-12	G 01 N 33/543 C 12 Q 1/68 B 01 D 57/00 G 01 N 33/535 C 12 Q 1/00
X	EP-A-0 152 254 (E.I. DU PONT DE NEMOURS AND COMPANY) * Page 1, lines 4-12; page 19, lines 2-10; claims 1,4 * --	1-12	
A	GB-A-2 007 362 (INTERNATIONAL DIAGNOSTIC TECHNOLOGY INC.) --		TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
A	WO-A-80 02 800 (G. OSTER et al.) --		G 01 N
A	US-A-4 391 904 (D.J. LITMAN et al.) -----		
THE SEARCHED DOCUMENTS DO NOT CONTAIN ANY CLAIMS			
Place of search		Date of completion of the search	Examiner
The Hague		26-03-1990	CARTAGENA Y ABELLA
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			



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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid.
- namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

X LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions.

namely:

1. Claims 1-12: A solid phase enzyme immuno-assay
2. Claims 13-18: An article of manufacture for analytical use
3. Claims 19-30: A method of preparing a stabilized chromogenic reagent

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid.
- namely claims:
- ☒ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.

namely claims: 1-12